

C ALPHA-CADINENE

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*Unless otherwise noted all references are to Duke, James A. 1992. Handbook of phytochemical constituents of GRAS herbs and other economic plants. Boca Raton, FL. CRC Press.

Plant	Part	Low PPM	High PPM	StdDev PPM	Reference
Alpinia officinarum	Rhizome	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
Anethum graveolens	Leaf	1	3	-0.4224867804418495	--
Artemisia annua	Plant	--	--		Wright,C.W.(Ed)2002.Medicinal&Aromatic Plants-Industrial Profiles.Artemisia.344pp.Maffei,M.(Ed)2002.Vetiveria.The Genus Vetiveria.Taylor&Francis.NY,NY.191pp.Southwell,I.,Lowe,R.(Eds)1999.Tea Tree.The Genus Melaleuca.Harwood Acad.Pub.Amsterdam,Netherlands.
Callicarpa americana	Leaf	--	0.55	-0.42938998655802657	--
Chamaemelum nobile	Plant	--	--		--
Elsholtzia polystachya	Leaf	30	30	-0.3464106314064283	Mathela,C.S., Melkani,A.B., Bisht,J.C., Pant,A.K., Bestmann,H.J., Erler,J., Kobold,U., Rauscher,J. and Vostrowsky,O. 1992. Chemical Varieties of Essential Oils from Elsholtzia polystachya from Two Different Locations in India. Planta Medica 58: 376-379.
Elsholtzia polystachya	Leaf	--	30	-0.3464106314064283	Mathela,C.S., Melkani,A.B., Bisht,J.C., Pant,A.K., Bestmann,H.J., Erler,J., Kobold,U., Rauscher,J. and Vostrowsky,O. 1992. Chemical Varieties of Essential Oils from Elsholtzia polystachya from Two Different Locations in India. Planta Medica 58: 376-379.

Plant	Part	Low PPM	High PPM	StdDev PPM	Reference
<i>Humulus lupulus</i>	Fruit	10	10	--	--
<i>Hyssopus officinalis</i>	Plant	--	--	--	--
<i>Laurus nobilis</i>	Leaf	--	--	--	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Lavandula x intermedia</i>	Plant	--	--	--	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Melissa officinalis</i>	Shoot	0.1	0.1	-0.4953081155688618	Deutsche Apot. Zit. 129(4):155-163. W. Schulze et al. Die Melisse.
<i>Mentha x piperita</i>	Essential Oil	--	--	--	--
<i>Myroxylon balsamum</i>	Plant	--	--	--	--
<i>Ocimum basilicum</i>	Plant	--	--	--	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
<i>Pimenta dioica</i>	Plant	--	--	--	--
<i>Pimenta racemosa</i>	Leaf	--	--	--	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pinus sylvestris</i>	Wood	--	--	--	--
<i>Pinus sylvestris</i>	Leaf Essent. Oil	--	--	--	--
<i>Pinus wallichiana</i>	Leaf	--	--	--	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Plectranthus incanus</i>	Shoot	40	40	1.9999941333197229	Shah, G.C., Bhandari, R. & Mathela, C.S. 1992. 1,2-Epoxy-p-Methane Derivatives from some Labiateae Species. J. Ess. Oil Res. 4: 57-59.

Plant	Part	Low PPM	High PPM	StdDev PPM	Reference
Rheum palmatum	Rhizome	--	0.5		--
Syzygium aromaticum	Flower	--	--		--
Syzygium aromaticum	Fruit	--	--		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Tagetes lucida	Shoot	--	--		Bicchi, C., Fresia, M., Rubiolo, P., Monti, D., Franz, C., Goehler, I. 1997. Constituents of Tagetes lucida Cav. ssp. lucida essential oil. Flavor & Fragrance, 12(1): 47-52.
Teucrium cyprium	Leaf	1090	1090	2.640282627021219	Arnold, N., Bellomaria, B., Valentini G. and Rafaiani, S.M. 1991. Comparative Study on Essential Oil of Some Teucrium Species from Cyprus. J. Ethnopharm. 35: 105-113.
Teucrium divaricatum	Leaf	0	0	-0.43093968589022963	Arnold, N., Bellomaria, B., Valentini G. and Rafaiani, S.M. 1991. Comparative Study on Essential Oil of Some Teucrium Species from Cyprus. J. Ethnopharm. 35: 105-113.
Teucrium kotschyanum	Leaf	70	70	-0.23370522542802652	Arnold, N., Bellomaria, B., Valentini G. and Rafaiani, S.M. 1991. Comparative Study on Essential Oil of Some Teucrium Species from Cyprus. J. Ethnopharm. 35: 105-113.
Teucrium micropodioides	Leaf	0	0	-0.43093968589022963	Arnold, N., Bellomaria, B., Valentini G. and Rafaiani, S.M. 1991. Comparative Study on Essential Oil of Some Teucrium Species from Cyprus. J. Ethnopharm. 35: 105-113.
Thymus longicaulis	Shoot	0	0	-0.5015620059169534	Baser, K.H.C., Ozek, T., Kirimer, N. and Tumen, G. 1993. The Occurrence of Three Chemotypes of Thymus longicaulis C. Presl subsp. longicaulis in the same Population. J. Ess. Oil Res. 5: 291-5.
Thymus longicaulis	Shoot	--	0	-0.5015620059169534	Baser, K.H.C., Ozek, T., Kirimer, N. and Tumen, G. 1993. The Occurrence of Three Chemotypes of Thymus longicaulis C. Presl subsp. longicaulis in the same Population. J. Ess. Oil Res. 5: 291-5.
Thymus longicaulis	Shoot	--	0	-0.5015620059169534	Baser, K.H.C., Ozek, T., Kirimer, N. and Tumen, G. 1993. The Occurrence of Three Chemotypes of Thymus longicaulis C. Presl subsp. longicaulis in the same Population. J. Ess. Oil Res. 5: 291-5.
Zingiber officinale	Rhizome	--	--		--

Plant	Part	Low PPM	High PPM	StdDev PPM	Reference
Zingiber officinale	Rhizome Essent. Oil	--	--	--	